

## SEQUENCE LISTING

- <110> KOCHENDOERFER, GERD G. SHAO, HAIYAN CRESSMAN, SONYA
- <120> MULTIPLEX POLYMER LIGATION
- <130> GRFN-047WO
- <140> Unassigned
- <141> filed herewith
- <150> 60/437,511
- <151> 2002-12-30
- <150> 60/515,609
- <151> 2003-10-29
- <160> 2
- <170> FastSEQ for Windows Version 4.0
- <210> 1
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- <212> PRT
- <213> Artificial Sequence
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- <223> synthetic granulocyte stimulating protein
- <221> VARIANT
- <222> (58)...(58)
- <223> Xaa = a non-native lysine chemically modified at the epsilon-amino group with an oxime linker group coupled to a designated water-soluble polymer through an oxime bond (or intermediates which contain AoA)
- <221> VARIANT
- <222> (121)...(121)
- <223> Xaa = Nle (norleucine)
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- <222> (131)...(131)
- <223> Xaa = psi (non-native amino acid residue
   consisting of a cysteine that is
   carboxamidemethylated at the sulfhydryl group)
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- <222> (133)...(133)
- <223> Xaa = a non-native lysine chemically modified at the epsilon-amino group with an oxime linker group coupled to a designated water-soluble polymer through an oxime bond (or intermediates which contain AoA)



## PCT/US2003/041459

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WO 2004/060925
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Glu Lys Leu Cys Ala Thr Tyr Lys Leu Cys His Pro Glu Glu Leu Val
Leu Leu Gly His Ser Leu Gly Ile Pro Xaa Ala Pro Leu Ser Ser Cys
Pro Ser Gln Ala Leu Gln Leu Ala Gly Cys Leu Ser Gln Leu His Ser
                                        75
Gly Leu Phe Leu Tyr Gln Gly Leu Leu Gln Ala Leu Glu Gly Ile Ser
                                    90
Pro Glu Leu Gly Pro Thr Leu Asp Thr Leu Gln Leu Asp Val Ala Asp
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Phe Ala Thr Thr Ile Trp Gln Gln Xaa Glu Glu Leu Gly Xaa Ala Pro
                            120
                                                125
Ala Leu Xaa Pro Xaa Gln Gly Ala Met Pro Ala Phe Ala Ser Ala Phe
                        135
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Gln Arg Arg Ala Gly Gly Val Leu Val Ala Ser His Leu Gln Ser Phe
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<223> synthetic granulocyte stimulating protein
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- <221> VARIANT <222> (17)...(17) <223> Xaa = Abu (Aminobutyric acid) <221> VARIANT <222> (58) ... (58) <223> Xaa = a non-native lysine chemically modified at the epsilon-amino group with an oxime linker group coupled to a designated water-soluble polymer through an oxime bond (or intermediates which contain AoA)
- <221> VARIANT
- <222> (121)...(121)
- <223> Xaa = Nle (norleucine)
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- <223> Xaa = Nle (norleucine)
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- <223> Xaa = psi (non-native amino acid residue consisting of a cysteine that is carboxamidemethylated at the sulfhydryl group)
- <221> VARIANT
- <222> (133)...(133)
- <223> Xaa = a non-native lysine chemically modified at





the epsilon-amino group with an oxime linker group coupled to a designated water-soluble polymer through an oxime bond (or intermediates which contain AoA)

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	50					35				Ala	ഹ				
0.5					70					Leu 75					90
				83					90	Ala				95	Ser
			TOO					105		Gln			110	Ala	
		TTO					120			Glu		125	Xaa		
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Leu	Glu	Val	Ser	Tyr 165	Arg	Val	Leu	Arg	His 170	Leu	Ala	Gln	Pro		100